

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 06/03/2003

MSDS No: 7177

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Basic Solutions™ Total Vegetation Killer Concentrate**PRODUCT DESCRIPTION:** Herbicide**MANUFACTURER**

The ORTHO Group
P.O. Box 190
Marysville, OH 43040

24 HR. EMERGENCY TELEPHONE NUMBERS**CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** 1-800-225-2883**EPA REG. NO.:** 2217-756-239 **PN:** 7070

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Prometon, 2-methoxy-4,6-bis (isopropylamino)-s-triazine	2.5	1610-18-0
Other Ingredients	97.5	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: WARNING: CAUSES SUBSTANTIAL BUT TEMPORARY EYE IRRITATION HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. AVOID BREATHING VAPOR OR SPRAY MIST AVOID CONTACT WITH EYES, SKIN, OR CLOTHING FLAMMABLE KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: Causes moderate eye irritation.

SKIN: Moderately to severely irritating to the skin; may be absorbed through the skin.

INGESTION: May cause vomiting, diarrhea with pain in the chest and abdomen.

INHALATION: Overexposure to the spray mist may be irritating to the respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INGESTION: Digestive tract irritation may include nausea, vomiting, and diarrhea.

INHALATION: Inhalation may cause burning in the chest with coughing. Prolonged inhalation may cause dizziness.

SUBCHRONIC/CHRONIC TOXICITY

CHRONIC: Repeated or prolonged overexposure to solvents may cause damage to the liver and kidneys and damage to the nervous system and brain. Overexposure to solvents may also cause adverse effects to blood, central nervous system, eyes, and fetus.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2001-1, January 2, 2001, and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (105°F)

FLAMMABLE CLASS: N.F.P.A. Combustible Liquid, Class II: Flash Point greater than or equal to 100°F (37.8°C) and less than or equal to 140°F (60°C).

EXTINGUISHING MEDIA: Use CO₂, Dry Chemical or Foam extinguishing media.

HAZARDOUS COMBUSTION PRODUCTS: Under combustion, this product may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

FIRE FIGHTING PROCEDURES: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85°F. Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels or other absorbent material and discard in trash. Product is highly flammable. Keep all sources of ignition away from spill.

LARGE SPILL: Eliminate all sources of ignition in vicinity of spill or released vapor. Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent material. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs or feed by storage or disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep pesticide in original container. Avoid contamination of feed and foodstuffs. Store in a secure cool, dry place. Do not store diluted spray.

HANDLING: Do not store near heat or open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

PERSONAL PROTECTION

EYES AND FACE: For application of product diluted in accordance with label instructions, no special eye protection is needed. For manufacturing processes where contact may occur, workers should wear appropriate eye/face protection such as goggles or a face shield.

SKIN: Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including chemical resistant gloves.

RESPIRATORY: Handling of the undiluted product is not likely to present an airborne exposure concern under normal use conditions. In the event of an accidental discharge of the material during manufacture or handling which produces a heavy vapor or mist, workers should use respiratory protection equipment. Consult respirator manufacturer to determine appropriate type of equipment. Observe respirator use limitations specified by NIOSH MSHA or the manufacturer. For application of product diluted in accordance with label instructions, no special respiratory protection is required. Read and follow label precautions.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
2-methoxy-4,6-bis (isopropylamino)-s-triazine	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Hydrocarbon Solvent

APPEARANCE: Amber liquid

VAPOR PRESSURE: <10 mm Hg @ 25C

VAPOR DENSITY: >1 (Air=1)

BOILING POINT: >240F

SOLUBILITY IN WATER: Emulsifiable

EVAPORATION RATE: <1 (Butyl Acetate = 1)

DENSITY: 7.3 lbs./gal.

SPECIFIC GRAVITY: 0.87

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: See label. Keep away from extreme heat, ignition sources, and flames.

HAZARDOUS DECOMPOSITION: Hydrochloric acid gas may be formed in a fire.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Considered to be a moderate eye irritant.

DERMAL LD₅₀: >2010 mg/kg body weight (rabbit).

ORAL LD₅₀: Considered to be mildly to moderately toxic by oral ingestion.

INHALATION LC₅₀: Considered to be moderately irritating to respiratory tract tissues by inhalation exposure.

COMMENTS: Acute toxicology information provided by PBI/Gordon Corporation, Kansas City, MO, MSDS 947-0, Version 002, May 2, 2001.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Partially filled container may be disposed of by securely wrapping original container in several layers of newspaper and discard in trash.

FOR LARGE SPILLS: Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity, ORM-D

OTHER SHIPPING INFORMATION: Proper Shipping Name: Petroleum distillates, n.o.s., 3, UN1268, PGIII, MP (1,2,4-Trimethylbenzene) when shipped bulk, in packages containing 66 lbs. product or more, or by vessel.

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: YES	FIRE: YES	REACTIVITY: NO	PRESSURE GENERATING: NO

313 REPORTABLE INGREDIENTS: 1,2,4-Trimethylbenzene CAS# 95-63-6, Cumene CAS# 98-82-8; Xylenes CAS# 1330-20-7.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: 100 lbs. of Xylenes (5882 pounds of product).

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste. (40 CFR 261.20-24).

GENERAL COMMENTS: Contact local authorities for disposal of large quantities of unused product.

16. OTHER INFORMATION

NFPA CODES

FIRE: 2 HEALTH: 2 REACTIVITY: 0

APPROVAL DATE: 06/30/2003

REVISION SUMMARY New MSDS

ADDITIONAL MSDS INFORMATION: NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

GENERAL STATEMENTS: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

COMMENTS: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising

out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.